

LECTOTYPES OF THE SPECIES OF HYMENOPTERA
(EXCEPT APOIDEA) DESCRIBED BY ABBÉ
PROVANCHER.

BY A. B. GAHAN AND S. A. ROHWER, WASHINGTON, D. C.

(Continued from page 106.)

Pezomachus quebecensis. Type.—Not in Pub. Mus., Quebec, unless under *Pezomachus canadensis* Cress.

Pezomachus sulcatus. Type.—Not located. Probably in Harrington collection.

Phænocarpa rubriceps. Type.—Male, yellow label 1052. 2nd Coll. Pub. Mus., Quebec.

Phæogenes annulitipes. Type.—Harrington Coll.

Phæogenes aterrimus. Type.—Female, yellow label 435. 2nd Coll. Pub. Mus., Quebec. Left antenna at apex and left hind tarsus broken.

Phæogenes crassitelus. Type.—Female, yellow label 1196. 2nd Coll. Pub. Mus., Quebec. Ovipositor and sheath broken off at apex of abdomen.

Phæogenes falardeau. Type.—Female, yellow label 666. 2nd Coll. Pub. Mus., Quebec. Allotype without labels.

Phæogenes gaspesianus. Type.—Female, yellow label 664. 2nd Coll. Pub. Mus., Quebec. Right antenna broken at 5th joint.

Phæogenes huarti. Type.—Female, yellow label 328. 2nd Coll. Pub. Mus., Quebec. Lacks abdomen.

Phæogenes indistinctus. Type.—Male, Harrington Coll. Pink label "P. 409." Lacks apex of left antenna. Labeled by Davis = "Phygadeuon."

Phæogenes mellinus. Type.—Female, yellow label 719. 2nd Coll. Pub. Mus., Quebec. Some verdigris.

Phæogenes nigricornis. Type.—Male, yellow label 988. 2nd Coll. Pub. Mus., Quebec.

Phæogenes orbis. Type.—Male, yellow label 514. 2nd Coll. Pub. Mus., Quebec. Antennæ broken at tip.

Phæogenes pinguis. Type.—Female, Harrington Coll. Head missing.

Phæogenes recticaudus. Type.—Female, yellow label 1197. 2nd Coll. Pub. Mus., Quebec. Abdomen broken off and glued on label.

Phæogenes recticornis. Type.—Female, yellow label 1200, blue label 15. 2nd Coll. Pub. Mus., Quebec. Right antenna at apex, right fore wing, hind wings, legs on left side, missing; abdomen broken off and glued on label.

Phæogenes sectus. Type.—Male, white label 439; yellow label 1552. 2nd Coll. Pub. Mus., Quebec. Lacks left antenna and left hind leg. On short pin.

Phæogenes tuberculifer. Type.—Male (?), yellow label 979. 2nd Coll. Pub. Mus., Quebec.

Phanerotoma fasciata. Type.—Yellow label 599. 2nd Coll. Pub. Mus., Quebec. Abdomen and antennæ beyond third joint missing.

Phasgonophora elegans. Type.—Harrington collection. Paratype.—Blue label 73(s); yellow label 1341. 2nd Coll. Pub. Mus., Quebec.

Philanthus harringtoni. Type.—Not located. Probably returned to collector.

Photopsis canadensis. Type.—Blue label 690; yellow label 1400. 2nd Coll. Pub. Mus., Quebec.

Phygadeuon abdominalis. Type.—Female, yellow label 218. 2nd Coll. Pub. Mus., Quebec. Some verdigris. Allotype.—Yellow label 271. 1st Coll. Pub. Mus., Quebec.

Phygadeuon acaudus. Type.—Female, yellow label 1017. 2nd Coll. Pub. Mus., Quebec. Complete but pin obliterates some of the characters.

Phygadeuon aciculatus. Type.—Male, yellow label 665. 2nd Coll. Pub. Mus., Quebec.

Phygadeuon albicoxus. Type.—Male, yellow label 269. 2nd Coll. Pub. Mus., Quebec.

Phygadeuon alternans. Type.—Yellow label 669. 2nd Coll. Pub. Mus., Quebec. Only thorax and coxæ present.

Phygadeuon annulatus. (Name preoccupied.) See *Phygadeuon fusiformis*.

Phygadeuon apicatus. Type.—Not in Pub. Mus., Quebec, unless under *Ichneumon velox* Cress.

Phygadeuon ater. Type.—Not in Pub. Mus., Quebec, unless under *Ichneumon helvipes* Cress.

Phygadeuon attenuatus. Type.—Female, yellow label 1048. 2nd Coll. Pub. Mus., Quebec.

Phygadeuon autumnalis. Type.—Yellow label 640. 2nd Coll. Pub. Mus., Quebec. Thorax and part of legs on pin, rest missing.

Phygadeuon brevicaudus. Type.—Female, yellow label 1181. 2nd Coll. Pub. Mus., Quebec.

Phygadeuon capitalis. Type.—Male, Harrington Coll. Pink label "P. 413."

Phygadeuon caudatus. Type.—Female, yellow label 265. 1st Coll. Pub. Mus., Quebec.

Phygadeuon cephalicus. Type.—Male, yellow label 663. 2nd Coll. Pub. Mus., Quebec.

Phygadeuon constrictus. Type.—Yellow label 718. 2nd Coll. Pub. Mus., Quebec. Lacks abdomen and tarsi.

Phygadeuon cornutus. Type.—Female, yellow label 938. 2nd Coll. Pub. Mus., Quebec.

Phygadeuon crassipes. Type.—Female, yellow label 276. 1st Coll. Pub. Mus., Quebec.

Phygadeuon cressoni. Type.—Not in Pub. Mus., Quebec, unless under *Ichneumon velox* Cress.

Phygadeuon curticus. Type.—Female, yellow label 1558. 2nd Coll. Pub. Mus., Quebec.

Phygadeuon dorsalis. Type.—Not in Pub. Mus., Quebec, unless under *Ichneumon humilis* Prov.

Phygadeuon dubius. Type.—Not in Pub. Mus., Quebec, unless under *Phygadeuon pubescens* Prov.

Phygadeuon electus. Type.—Male, white label 1; yellow label 1117. 2nd Coll. Pub. Mus., Quebec. Lacks apices of antennæ. Provancher mistook sex.

Phygadeuon excavatus. Type.—Not located.

Phygadeuon fasciatus. Type.—In Pub. Mus., Quebec, with name label. Other data not obtained.

Phygadeuon fraterculus. Type.—Female, Harrington Coll. Pink label "P. 404." Lacks left hind leg below coxa and right hind tibia and tarsi.

Phygadeuon fusiformis. Type.—Female, Harrington Coll. Pink label "P. 391." Lacks left flagellum.

Phygadeuon goddessii. Type.—Not located. Probably returned to collector.

Phygadeuon gracilicornis. Type. — Female, Harrington Coll. Left antenna broken.

Phygadeuon guignardi. Type.—Female, yellow label 1178. 2nd Coll. Pub. Mus., Quebec.

Phygadeuon hilaris. Type.—Not in Pub. Mus., Quebec, unless under *Phæogenes helvus*. Cress.

Phygadeuon impressus. (Nat. Can. Vol. 7, p. 212) Type.—Male, yellow label 213. 2nd Coll. Pub. Mus., Quebec.

Phygadeuon impressus. (Nat. Can. Vol. 6, p. 281) Type.—Not in Coll. unless under name *Platylabus thoracicus* Cress.

Phygadeuon inflatus. Type.—Not located. Female, yellow label 221 bearing this name label in 2nd Coll. Pub. Mus., Quebec, cannot be type.

Phygadeuon inhabilis. Type.—Female, yellow label 205. 2nd Coll. Pub. Mus., Quebec.

Phygadeuon insignis. Type.—Not in Pub. Mus., Quebec, unless under *Phæogenes herbosus* Cress.

Phygadeuon jocosus. Type.—Female, old rose label 90, yellow label 1180. 2nd Coll. Pub. Mus., Quebec.

Phygadeuon lavoiei. Type.—Female, yellow label 660. 2nd Coll. Pub. Mus., Quebec.

Phygadeuon lechevallieri. Type.—Yellow label 692. 2nd Coll. Pub. Mus., Quebec. Lacks antennæ, legs, left wings and abdomen.

Phygadeuon longicornis. Type. — Female, Harrington Coll. Pink label "P. 388." Lacks apex of right antenna.

Phygadeuon lucens. Type.—Female, yellow label 270. 1st Coll. Pub. Mus., Quebec. Lacks antennæ.

Phygadeuon maculatus. Type.—Female, yellow label 206. 2nd Coll. Pub. Mus., Quebec. Lacks antennæ.

Phygadeuon marginatus. Type.—Male, Harrington Coll. One antenna and apical half of other missing.

Phygadeuon maturus. Type.—Female, yellow label 453. 2nd Coll. Pub. Mus., Quebec. Apices of antennæ and left fore wing gone.

Phygadeuon mignaulti. Type.—Female, yellow label 661. 2nd Coll. Pub. Mus., Quebec. Lacks right antenna.

Phygadeuon mucronatus. Type.—Female, yellow label 611. 1st Coll. Pub. Mus., Quebec.

Phygadeuon niger. Type.—Not in Pub. Mus., Quebec, unless under *Ichneumon extrematatis* Cress.

Phygadeuon nigriceps. Type.—Female, old rose label 40, yellow label 1179. 2nd Coll. Pub. Mus., Quebec.

Phygadeuon nitidulus. Type.—Male, yellow label 262. 1st Coll. Pub. Mus., Quebec.

Phygadeuon occidentalis. Type.—Female, yellow label 263. 1st Coll. Pub. Mus., Quebec.

Phygadeuon orbitalis. Type.—Male, yellow label 513. 2nd Coll. Pub. Mus., Quebec.

(To be continued)

SOME SOUTH AMERICAN BEES.

BY T. D. A. COCKERELL, BOULDER, COLORADO.

Colletes chubutensis, sp. n.

♂.—Length about 10 mm., anterior wing 7.5 mm.; head, thorax and legs black, abdomen obscure steel-blue; head, seen from in front, forming roughly an equilateral triangle, the vertex being very broad; malar space extremely long, fully twice width of mandibles at base; mandibles red at apex; labrum rather weakly plicate basally; clypeus shining, very sparsely punctured, with a broad, band-like median depression; antennæ black, long, reaching metathorax; third joint 320 microns long, fourth 480, fifth 450; mesothorax and scutellum dullish, not polished; area of metathorax smooth and shining, with a sub-basal, transverse ridge, above which, in the middle, is a small pit; hair of head and thorax very long and abundant, white on face, cheeks and under side of thorax; sides of face with black hairs; hair of upper part of head and thorax with blackish intermixed, the whole appearing grey; tegulæ piceous; wings hyaline, faintly dusky, nervures and stigma dark fuscous; second s.m. extremely broad, receiving first r.n. in middle; legs with white hair, extremely long on anterior femora posteriorly; abdomen shining, hardly punctured; hind margins of segments narrowly brownish, without hair-bands; dorsal surface